

Haley Morgan

Software Engineer

Phone (774)-262-7555

Email haleymorgan3264@gmail.com

Location Medford, MA

GitHub github.com/h-morgan

LinkedIn linkedin.com/in/haleymorgan

Personal haleymorgan.com

SKILLS

Languages: Python, SQL (PostgreSQL, MySQL), HTML, CSS, Java, JavaScript

Frameworks/Libraries: Flask, numPy, pandas, Matplotlib, Jinja, Bootstrap, React

Tooling/Other: Linux, Azure, Docker, Vim, Git/GitHub, Confluence (Jira, BitBucket), pgAdmin, RabbitMQ

PROFESSIONAL EXPERIENCE

SEP 2020 - PRESENT

Software Engineer - BNY Mellon, Data & Analytics Solutions (Remote)

- Design and develop data pipeline infrastructure to process and load multisource data in all application environments using Azure cloud services, Python (Flask), RabbitMQ, and PostgreSQL
- Design, develop, and maintain a data quality and validation service to capture statistics on data processed within the pipeline and ensure 100% application data accuracy
- Maintain >93% unit test coverage on all code repositories I am responsible for, continuous builds within a CI/CD environment

OCT 2019 - SEP 2020

Research Programmer – Boston Fusion Corp. (Lexington, MA)

- Design and develop machine learning software for anomaly detection research programs in direct consultation with project Principal Investigator (PI)
- Develop parsers to fuse multisource data to develop and integrate massive processed datasets for use in predictive analytics and software programs
- Lead UI development for design, build, and production of full-stack web applications according to client specifications and needs

OCT 2018 – SEP 2019

Information Privacy and Compliance Analyst – Clark University (Worcester, MA)

- Collaborated with end users to continuously collect and analyze functional requirements and use cases for all enterprise projects, evolving solutions as needed
- Developed and maintained a system to triage and monitor malicious phishing emails using regex rules written in the YARA language to decrease exposure of compromised accounts
- Assisted in security testing response efforts to secure and stabilize enterprise applications, upholding the CIA triad

APR 2017 – OCT 2018

Engineer I – Tetra Tech (Marlborough, MA)

- Performed site and system redesign through continuous iterations as member of an interdisciplinary team to eliminate costly and unnecessary complexities
- Applied technical knowledge to design Department of Defense (DoD) and USAID international bases/sites using AutoCAD
- Maintained Active Secret Security clearance for ability to work on classified projects

PROJECTS

MAR 2020 – PRESENT

Value Investment Research Application

Developing an investment research application that accesses the SEC's EDGAR system, retrieves filings, scrapes, and analyzes historical financial statements to inform investment decisions using Python

EDUCATION

2020

University of Pennsylvania (UPenn)

Professional Certificate, Computer Science Essentials for Software Development

2016

Worcester Polytechnic Institute (WPI)

Bachelor of Science, Civil Engineering